

# 721G VIS Spectrophotometer

721G VIS Spectrophotometer been widely used in colleges and enterprises for general quantitative analysis and experiments based in absorbance measurements.

### Features

- Sample compartment for 5-100mm cuvettes
- Equipped with RS232 port
- Precise automatic T/A changeover
- Automatic zero and full scale adjustment
- Direct concentration read-out and concentration factor setting function
- Software optional
- High quality silicon photometric diode detector and 1200 lines/mm diffraction grating ensure the high quality accuracy and precision.
- Backlit LCD display for an easy readout.
- Automatic 0A and 100% T.
- Easy switching of transmittance, absorbance and concentration modes, just by pressing one key.
- Direct concentration read-out and concentration factor setting function.
- Large sample compartment, for 5 100mm path length cuvettes with optional holders.
- Easy to change the halogen lamp or deuterium lamp by the user himself.

## Specifications

| Photometry:                | Split Beam  |
|----------------------------|---|
| Monochromator Type:        | Czerny-Turner                                     |
| Focal Length:              | 160mm   |
| Grating:                   | 1200 lines/mm                                     |
| Detector:                  | Silicon Photocell                                 |
| Spectrum Bandwidth:        | 5nm   |
| Wavelength Setting:        | Manual Turn Knob                                  |
| Wavelength Range:          | 340-1000nm  |
| Wavelength Accuracy:       | ±2nm  |
| Wavelength Repeatability:  | ≤1nm  |
| Stray Light:               | ≤0.5%T( at 360nm NaNo2 )                          |
| Photometric Range:         | 0.0-100.0% T; 0.000-1.999 A; 0.000-1999 C         |
| Photometric Accuracy:      | ±0.5% T; ±0.004 Abs (0-0.5A); ±0.008 Abs (0.5-1A) |
| Photometric Repeatability: | ≤0.2% T; 0.002 Abs (0-0.5A); 0.004 Abs (0.5-1A)   |
| Noise:                     | 100% (T) noise≤0.3%(T), 0% (T) noise≤0.2%(T)      |
| Power:                     | AC220V±22V 50Hz±1Hz, 130W                         |
| Packaging Size:            | 560mm X 490mm X 285mm 0.08M <sup>3</sup> 14kg     |

#### Standrad Accessories

- Operation manual lpc
- Glass cuvette 10mm 4pcs
- Fuse 2pcs

- UV W1N7 software 1pc
- Power cable 1pc
- Cuvette holder 50mm 1pc

### **Optional Accessories**

• Cuvette holder 100mm

• Cuvette 20mm 30mm 50mm 100mm